

**Value of Lifetime GHG Emissions Reductions
 from the Proposed Geothermal Program - 40
 Year Customer Additions**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14
Retrofit customers														
Conversions(#)	80	120	160	200	320	440	520	520	520	520	520	520	520	520
Cumulative number of customers (#)	80	200	360	560	880	1,320	1,840	2,360	2,880	3,400	3,920	4,440	4,960	5,480
Cumulative number of customers (#) [50% effective]	40	140	280	460	720	1,100	1,580	2,100	2,620	3,140	3,660	4,180	4,700	5,220
Forecast annual NG savings (m ³) ⁽¹⁾	96,000	336,000	672,000	1,104,000	1,728,000	2,640,000	3,792,000	5,040,000	6,288,000	7,536,000	8,784,000	10,032,000	11,280,000	12,528,000
Forecast annual GHG reduction from NG (t CO ₂ e) ⁽²⁾	180	630	1,260	2,070	3,239	4,949	7,109	9,448	11,788	14,127	16,467	18,806	21,146	23,485
Forecast carbon price (\$/tonne) ⁽³⁾⁽⁴⁾⁽⁵⁾	\$ 17.00	\$ 18.00	\$ 18.00	\$ 19.00	\$ 20.00	\$ 21.00	\$ 31.00	\$ 36.00	\$ 43.00	\$ 50.00	\$ 57.00	\$ 60.88	\$ 65.02	\$ 69.44
Value of GHG reduction (\$, nominal)	\$ 3,059	\$ 11,338	\$ 22,675	\$ 39,322	\$ 64,787	\$ 103,929	\$ 220,366	\$ 340,132	\$ 506,869	\$ 706,359	\$ 938,603	\$ 1,144,850	\$ 1,374,806	\$ 1,630,742
Value of GHG reduction (\$, NPV)	\$ 31,647,135													
New Construction														
New Construction (#)	90	180	270	540	900	1,800	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700
Cumulative number of customers (#)	90	270	540	1,080	1,980	3,780	6,480	9,180	11,880	14,580	17,280	19,980	22,680	25,380
Cumulative number of customers (#) [50% effective]	45	180	405	810	1,530	2,880	5,130	7,830	10,530	13,230	15,930	18,630	21,330	24,030
Forecast annual NG savings (m ³) ⁽¹⁾	99,000	396,000	891,000	1,782,000	3,366,000	6,336,000	11,286,000	17,226,000	23,166,000	29,106,000	35,046,000	40,986,000	46,926,000	52,866,000
Forecast annual GHG reduction from NG (t CO ₂ e) ⁽²⁾	186	742	1,670	3,341	6,310	11,878	21,157	32,292	43,428	54,563	65,698	76,833	87,969	99,104
Forecast carbon price (\$/tonne) ⁽³⁾⁽⁴⁾⁽⁵⁾	\$ 17.00	\$ 18.00	\$ 18.00	\$ 19.00	\$ 20.00	\$ 21.00	\$ 31.00	\$ 36.00	\$ 43.00	\$ 50.00	\$ 57.00	\$ 60.88	\$ 65.02	\$ 69.44
Value of GHG reduction (\$, nominal)	\$ 3,155	\$ 13,362	\$ 30,065	\$ 63,471	\$ 126,200	\$ 249,430	\$ 655,868	\$ 1,162,524	\$ 1,867,387	\$ 2,728,145	\$ 3,744,796	\$ 4,677,314	\$ 5,719,338	\$ 6,881,450
Value of GHG reduction (\$, NPV)	\$ 142,041,834													
Totals														
Forecast annual NG savings (m ³)	195,000	732,000	1,563,000	2,886,000	5,094,000	8,976,000	15,078,000	22,266,000	29,454,000	36,642,000	43,830,000	51,018,000	58,206,000	65,394,000
Forecast annual GHG reduction from NG (t CO ₂ e)	366	1,372	2,930	5,410	9,549	16,827	28,266	41,740	55,215	68,690	82,165	95,640	109,115	122,589
Value of GHG reduction (\$, nominal)	\$ 6,214	\$ 24,700	\$ 52,741	\$ 102,793	\$ 190,987	\$ 353,360	\$ 876,234	\$ 1,502,656	\$ 2,374,256	\$ 3,434,504	\$ 4,683,399	\$ 5,822,164	\$ 7,094,144	\$ 8,512,191
Value of GHG reduction (\$, NPV)	\$ 173,688,969													

1. Avoided natural gas volume for conversion of existing customers is 2,400 m³/yr and of new construction is 2,200 m³/yr.
 2. Assumes a conversion rate of 1.875 kg of CO₂e per cubic meter of gas.
 3. For 2018 - 2028, assumes the Mid-Range LTCPF Carbon Price (Real 2017 CAD) per the "Long Term Carbon Price Forecast Report" (ICF, 2017).
 4. For 2029 - 2033, assumes LTCPF Carbon Price (Real 2017 CAD) escalated using the Minimum LTCPF methodology per the "Long Term Carbon Price Forecast Report" (ICF, 2017) of 5% annual growth
 5. For 2034 and beyond, assumes the carbon price is constant.

**Value of Lifetime GHG Emissions Reductions
 from the Proposed Geothermal Program - 40
 Year Customer Additions**

	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20	Year 21	Year 22	Year 23	Year 24	Year 25	Year 26	Year 27
Retrofit customers													
Conversions (#)	520	520	520	520	520	520	520	520	520	520	520	520	520
Cumulative number of customers (#)	6,000	6,520	7,040	7,560	8,080	8,600	9,120	9,640	10,160	10,680	11,200	11,720	12,240
Cumulative number of customers (#) [50% effective]	5,740	6,260	6,780	7,300	7,820	8,340	8,860	9,380	9,900	10,420	10,940	11,460	11,980
Forecast annual NG savings (m ³) ⁽¹⁾	13,776,000	15,024,000	16,272,000	17,520,000	18,768,000	20,016,000	21,264,000	22,512,000	23,760,000	25,008,000	26,256,000	27,504,000	28,752,000
Forecast annual GHG reduction from NG (t CO ₂ e) ⁽²⁾	25,825	28,164	30,504	32,843	35,183	37,523	39,862	42,202	44,541	46,881	49,220	51,560	53,899
Forecast carbon price (\$/tonne) ⁽³⁾⁽⁴⁾⁽⁵⁾	\$ 74.16	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20
Value of GHG reduction (\$, nominal)	\$ 1,915,128	\$ 2,230,651	\$ 2,415,944	\$ 2,601,238	\$ 2,786,532	\$ 2,971,825	\$ 3,157,119	\$ 3,342,413	\$ 3,527,706	\$ 3,713,000	\$ 3,898,294	\$ 4,083,587	\$ 4,268,881
Value of GHG reduction (\$, NPV)													
New Construction													
New Construction (#)	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700
Cumulative number of customers (#)	28,080	30,780	33,480	36,180	38,880	41,580	44,280	46,980	49,680	52,380	55,080	57,780	60,480
Cumulative number of customers (#) [50% effective]	26,730	29,430	32,130	34,830	37,530	40,230	42,930	45,630	48,330	51,030	53,730	56,430	59,130
Forecast annual NG savings (m ³) ⁽¹⁾	58,806,000	64,746,000	70,686,000	76,626,000	82,566,000	88,506,000	94,446,000	100,386,000	106,326,000	112,266,000	118,206,000	124,146,000	130,086,000
Forecast annual GHG reduction from NG (t CO ₂ e) ⁽²⁾	110,239	121,375	132,510	143,645	154,780	165,916	177,051	188,186	199,322	210,457	221,592	232,727	243,863
Forecast carbon price (\$/tonne) ⁽³⁾⁽⁴⁾⁽⁵⁾	\$ 74.16	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20
Value of GHG reduction (\$, nominal)	\$ 8,175,162	\$ 9,613,000	\$ 10,494,926	\$ 11,376,853	\$ 12,258,779	\$ 13,140,706	\$ 14,022,633	\$ 14,904,559	\$ 15,786,486	\$ 16,668,412	\$ 17,550,339	\$ 18,432,266	\$ 19,314,192
Value of GHG reduction (\$, NPV)													
Totals													
Forecast annual NG savings (m ³)	72,582,000	79,770,000	86,958,000	94,146,000	101,334,000	108,522,000	115,710,000	122,898,000	130,086,000	137,274,000	144,462,000	151,650,000	158,838,000
Forecast annual GHG reduction from NG (t CO ₂ e)	136,064	149,539	163,014	176,489	189,963	203,438	216,913	230,388	243,863	257,338	270,812	284,287	297,762
Value of GHG reduction (\$, nominal)	\$ 10,090,290	\$ 11,843,650	\$ 12,910,871	\$ 13,978,091	\$ 15,045,311	\$ 16,112,531	\$ 17,179,752	\$ 18,246,972	\$ 19,314,192	\$ 20,381,412	\$ 21,448,633	\$ 22,515,853	\$ 23,583,073
Value of GHG reduction (\$, NPV)													

1. Avoided natural gas volume for conversion of existing cut
 2. Assumes a conversion rate of 1.875 kg of CO₂e per cubic
 3. For 2018 - 2028, assumes the Mid-Range LTCPF Carbon
 4. For 2029 - 2033, assumes LTCPF Carbon Price (Real 20
 5. For 2034 and beyond, assumes the carbon price is constant

**Value of Lifetime GHG Emissions Reductions
 from the Proposed Geothermal Program - 40
 Year Customer Additions**

	Year 28	Year 29	Year 30	Year 31	Year 32	Year 33	Year 34	Year 35	Year 36	Year 37	Year 38	Year 39	Year 40
Retrofit customers													
Conversions(#)	520	520	520	520	520	520	520	520	520	520	520	520	520
Cumulative number of customers (#)	12,760	13,280	13,800	14,240	14,640	15,000	15,320	15,520	15,600	15,600	15,600	15,600	15,600
Cumulative number of customers (#) [50% effective]	12,500	13,020	13,540	14,020	14,440	14,820	15,160	15,420	15,560	15,600	15,600	15,600	15,600
Forecast annual NG savings (m ³) ⁽¹⁾	30,000,000	31,248,000	32,496,000	33,648,000	34,656,000	35,568,000	36,384,000	37,008,000	37,344,000	37,440,000	37,440,000	37,440,000	37,440,000
Forecast annual GHG reduction from NG (t CO ₂ e) ⁽²⁾	56,239	58,578	60,918	63,077	64,967	66,677	68,206	69,376	70,006	70,186	70,186	70,186	70,186
Forecast carbon price (\$/tonne) ⁽³⁾⁽⁴⁾⁽⁵⁾	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20
Value of GHG reduction (\$, nominal)	\$ 4,454,175	\$ 4,639,468	\$ 4,824,762	\$ 4,995,802	\$ 5,145,463	\$ 5,280,869	\$ 5,402,023	\$ 5,494,670	\$ 5,544,557	\$ 5,558,810	\$ 5,558,810	\$ 5,558,810	\$ 5,558,810
Value of GHG reduction (\$, NPV)													
New Construction													
New Construction (#)	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700
Cumulative number of customers (#)	63,180	65,880	68,580	71,190	73,710	76,140	78,300	80,100	81,000	81,000	81,000	81,000	81,000
Cumulative number of customers (#) [50% effective]	61,830	64,530	67,230	69,885	72,450	74,925	77,220	79,200	80,550	81,000	81,000	81,000	81,000
Forecast annual NG savings (m ³) ⁽¹⁾	136,026,000	141,966,000	147,906,000	153,747,000	159,390,000	164,835,000	169,884,000	174,240,000	177,210,000	178,200,000	178,200,000	178,200,000	178,200,000
Forecast annual GHG reduction from NG (t CO ₂ e) ⁽²⁾	254,998	266,133	277,269	288,218	298,797	309,004	318,469	326,635	332,203	334,059	334,059	334,059	334,059
Forecast carbon price (\$/tonne) ⁽³⁾⁽⁴⁾⁽⁵⁾	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20
Value of GHG reduction (\$, nominal)	\$ 20,196,119	\$ 21,078,045	\$ 21,959,972	\$ 22,827,200	\$ 23,665,030	\$ 24,473,463	\$ 25,223,100	\$ 25,869,846	\$ 26,310,810	\$ 26,457,797	\$ 26,457,797	\$ 26,457,797	\$ 26,457,797
Value of GHG reduction (\$, NPV)													
Totals													
Forecast annual NG savings (m ³)	166,026,000	173,214,000	180,402,000	187,395,000	194,046,000	200,403,000	206,268,000	211,248,000	214,554,000	215,640,000	215,640,000	215,640,000	215,640,000
Forecast annual GHG reduction from NG (t CO ₂ e)	311,237	324,712	338,186	351,296	363,764	375,681	386,676	396,011	402,209	404,245	404,245	404,245	404,245
Value of GHG reduction (\$, nominal)	\$ 24,650,293	\$ 25,717,514	\$ 26,784,734	\$ 27,823,002	\$ 28,810,482	\$ 29,754,332	\$ 30,625,123	\$ 31,364,516	\$ 31,855,366	\$ 32,016,607	\$ 32,016,607	\$ 32,016,607	\$ 32,016,607
Value of GHG reduction (\$, NPV)													

1. Avoided natural gas volume for conversion of existing cut
 2. Assumes a conversion rate of 1.875 kg of CO₂e per cubic
 3. For 2018 - 2028, assumes the Mid-Range LTCPF Carbon
 4. For 2029 - 2033, assumes LTCPF Carbon Price (Real 20
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**Value of Lifetime GHG Emissions Reductions
 from the Proposed Geothermal Program - 40
 Year Customer Additions**

	Year 41	Year 42	Year 43	Year 44	Year 45	Year 46	Year 47	Year 48	Year 49	Year 50	Year 51	Year 52	Year 53
Retrofit customers													
Conversions (#)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative number of customers (#)	15,080	14,560	14,040	13,520	13,000	12,480	11,960	11,440	10,920	10,400	9,880	9,360	8,840
Cumulative number of customers (#) [50% effective]	15,340	14,820	14,300	13,780	13,260	12,740	12,220	11,700	11,180	10,660	10,140	9,620	9,100
Forecast annual NG savings (m ³) ⁽¹⁾	36,816,000	35,588,000	34,320,000	33,072,000	31,824,000	30,576,000	29,328,000	28,080,000	26,832,000	25,584,000	24,336,000	23,088,000	21,840,000
Forecast annual GHG reduction from NG (t CO ₂ e) ⁽²⁾	69,016	66,677	64,337	61,998	59,658	57,319	54,979	52,640	50,300	47,960	45,621	43,281	40,942
Forecast carbon price (\$/tonne) ⁽³⁾⁽⁴⁾⁽⁵⁾	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20
Value of GHG reduction (\$, nominal)	\$ 5,466,163	\$ 5,280,869	\$ 5,095,576	\$ 4,910,282	\$ 4,724,988	\$ 4,539,695	\$ 4,354,401	\$ 4,169,107	\$ 3,983,814	\$ 3,798,520	\$ 3,613,226	\$ 3,427,933	\$ 3,242,639
Value of GHG reduction (\$, NPV)													
New Construction													
New Construction (#)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative number of customers (#)	78,300	75,600	72,900	70,200	67,500	64,800	62,100	59,400	56,700	54,000	51,300	48,600	45,900
Cumulative number of customers (#) [50% effective]	79,650	76,950	74,250	71,550	68,850	66,150	63,450	60,750	58,050	55,350	52,650	49,950	47,250
Forecast annual NG savings (m ³) ⁽¹⁾	175,230,000	169,290,000	163,350,000	157,410,000	151,470,000	145,530,000	139,590,000	133,650,000	127,710,000	121,770,000	115,830,000	109,890,000	103,950,000
Forecast annual GHG reduction from NG (t CO ₂ e) ⁽²⁾	328,491	317,356	306,220	295,085	283,950	272,814	261,679	250,544	239,409	228,273	217,138	206,003	194,867
Forecast carbon price (\$/tonne) ⁽³⁾⁽⁴⁾⁽⁵⁾	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20
Value of GHG reduction (\$, nominal)	\$ 26,016,834	\$ 25,134,908	\$ 24,252,981	\$ 23,371,054	\$ 22,489,128	\$ 21,607,201	\$ 20,725,275	\$ 19,843,348	\$ 18,961,421	\$ 18,079,495	\$ 17,197,568	\$ 16,315,642	\$ 15,433,715
Value of GHG reduction (\$, NPV)													
Totals													
Forecast annual NG savings (m ³)	212,046,000	204,858,000	197,670,000	190,482,000	183,294,000	176,106,000	168,918,000	161,730,000	154,542,000	147,354,000	140,166,000	132,978,000	125,790,000
Forecast annual GHG reduction from NG (t CO ₂ e)	397,507	384,032	370,558	357,083	343,608	330,133	316,658	303,183	289,709	276,234	262,759	249,284	235,809
Value of GHG reduction (\$, nominal)	\$ 31,482,997	\$ 30,415,777	\$ 29,348,557	\$ 28,281,337	\$ 27,214,116	\$ 26,146,896	\$ 25,079,676	\$ 24,012,456	\$ 22,945,235	\$ 21,878,015	\$ 20,810,795	\$ 19,743,575	\$ 18,676,354
Value of GHG reduction (\$, NPV)													

1. Avoided natural gas volume for conversion of existing cut
 2. Assumes a conversion rate of 1.875 kg of CO₂e per cubic
 3. For 2018 - 2028, assumes the Mid-Range LTCPF Carbon
 4. For 2029 - 2033, assumes LTCPF Carbon Price (Real 20
 5. For 2034 and beyond, assumes the carbon price is constant

Value of Lifetime GHG Emissions Reductions
 from the Proposed Geothermal Program - 40
 Year Customer Additions

	Year 54	Year 55	Year 56	Year 57	Year 58	Year 59	Year 60	Year 61	Year 62	Year 63	Year 64	Year 65	Year 66
Retrofit customers													
Conversions(#)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative number of customers (#) [50% effective]	8,320	7,800	7,280	6,760	6,240	5,720	5,200	4,680	4,160	3,640	3,120	2,600	2,080
Cumulative number of customers (#) [50% effective]	8,580	8,060	7,540	7,020	6,500	5,980	5,460	4,940	4,420	3,900	3,380	2,860	2,340
Forecast annual NG savings (m ³) ⁽¹⁾	20,592,000	19,344,000	18,096,000	16,848,000	15,600,000	14,352,000	13,104,000	11,856,000	10,608,000	9,360,000	8,112,000	6,864,000	5,616,000
Forecast annual GHG reduction from NG (t CO ₂ e) ⁽²⁾	38,602	36,263	33,923	31,584	29,244	26,905	24,565	22,226	19,886	17,547	15,207	12,867	10,528
Forecast carbon price (\$/tonne) ⁽³⁾⁽⁴⁾⁽⁵⁾	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20
Value of GHG reduction (\$, nominal)	\$ 3,057,345	\$ 2,872,052	\$ 2,686,758	\$ 2,501,464	\$ 2,316,171	\$ 2,130,877	\$ 1,945,583	\$ 1,760,290	\$ 1,574,996	\$ 1,389,702	\$ 1,204,409	\$ 1,019,115	\$ 833,821
Value of GHG reduction (\$, NPV)													
New Construction													
New Construction (#)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative number of customers (#)	43,200	40,500	37,800	35,100	32,400	29,700	27,000	24,300	21,600	18,900	16,200	13,500	10,800
Cumulative number of customers (#) [50% effective]	44,550	41,850	39,150	36,450	33,750	31,050	28,350	25,650	22,950	20,250	17,550	14,850	12,150
Forecast annual NG savings (m ³) ⁽¹⁾	98,010,000	92,070,000	86,130,000	80,190,000	74,250,000	68,310,000	62,370,000	56,430,000	50,490,000	44,550,000	38,610,000	32,670,000	26,730,000
Forecast annual GHG reduction from NG (t CO ₂ e) ⁽²⁾	183,732	172,597	161,462	150,326	139,191	128,056	116,920	105,785	94,650	83,515	72,379	61,244	50,109
Forecast carbon price (\$/tonne) ⁽³⁾⁽⁴⁾⁽⁵⁾	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20
Value of GHG reduction (\$, nominal)	\$ 14,551,789	\$ 13,669,862	\$ 12,787,935	\$ 11,906,009	\$ 11,024,082	\$ 10,142,156	\$ 9,260,229	\$ 8,378,303	\$ 7,496,376	\$ 6,614,449	\$ 5,732,523	\$ 4,850,596	\$ 3,968,670
Value of GHG reduction (\$, NPV)													
Totals													
Forecast annual NG savings (m ³)	118,602,000	111,414,000	104,226,000	97,038,000	89,850,000	82,662,000	75,474,000	68,286,000	61,098,000	53,910,000	46,722,000	39,534,000	32,346,000
Forecast annual GHG reduction from NG (t CO ₂ e)	222,335	208,860	195,385	181,910	168,435	154,960	141,486	128,011	114,536	101,061	87,586	74,112	60,637
Value of GHG reduction (\$, nominal)	\$ 17,609,134	\$ 16,541,914	\$ 15,474,694	\$ 14,407,473	\$ 13,340,253	\$ 12,273,033	\$ 11,205,813	\$ 10,138,592	\$ 9,071,372	\$ 8,004,152	\$ 6,936,932	\$ 5,869,711	\$ 4,802,491
Value of GHG reduction (\$, NPV)													

1. Avoided natural gas volume for conversion of existing cut
 2. Assumes a conversion rate of 1.875 kg of CO₂e per cubic
 3. For 2018 - 2028, assumes the Mid-Range LTCPF Carbon
 4. For 2029 - 2033, assumes LTCPF Carbon Price (Real 20
 5. For 2034 and beyond, assumes the carbon price is constant

Value of Lifetime GHG Emissions Reductions
 from the Proposed Geothermal Program - 40
 Year Customer Additions

	Year 67	Year 68	Year 69	Year 70	TOTAL
Retrofit customers					
Conversions(#)	-	-	-	-	-
Cumulative number of customers (#)	1,560	1,040	520	-	-
Cumulative number of customers (#) [50% effective]	1,820	1,300	780	260	
Forecast annual NG savings (m ³) ⁽¹⁾	4,368,000	3,120,000	1,872,000	624,000	1,368,000,000
Forecast annual GHG reduction from NG (t CO ₂ e) ⁽²⁾	8,188	5,849	3,509	1,170	2,564,490
Forecast carbon price (\$/tonne) ⁽³⁾⁽⁴⁾⁽⁵⁾	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	-
Value of GHG reduction (\$, nominal)	\$ 648,528	\$ 463,234	\$ 277,940	\$ 92,647	\$ 199,419,335
Value of GHG reduction (\$, NPV)					
New Construction					
New Construction (#)	-	-	-	-	-
Cumulative number of customers (#)	8,100	5,400	2,700	-	-
Cumulative number of customers (#) [50% effective]	9,450	6,750	4,050	1,350	
Forecast annual NG savings (m ³) ⁽¹⁾	20,790,000	14,850,000	8,910,000	2,970,000	6,308,280,000
Forecast annual GHG reduction from NG (t CO ₂ e) ⁽²⁾	38,973	27,838	16,703	5,568	11,825,672
Forecast carbon price (\$/tonne) ⁽³⁾⁽⁴⁾⁽⁵⁾	\$ 79.20	\$ 79.20	\$ 79.20	\$ 79.20	-
Value of GHG reduction (\$, nominal)	\$ 3,086,743	\$ 2,204,816	\$ 1,322,890	\$ 440,963	\$ 923,962,563
Value of GHG reduction (\$, NPV)					
Totals					
Forecast annual NG savings (m ³)	25,158,000	17,970,000	10,782,000	3,594,000	7,676,280,000
Forecast annual GHG reduction from NG (t CO ₂ e)	47,162	33,687	20,212	6,737	14,390,162
Value of GHG reduction (\$, nominal)	\$ 3,735,271	\$ 2,668,051	\$ 1,600,830	\$ 533,610	\$ 611,116,171
Value of GHG reduction (\$, NPV)					

1. Avoided natural gas volume for conversion of existing cut
2. Assumes a conversion rate of 1.875 kg of CO₂e per cubic
3. For 2018 - 2028, assumes the Mid-Range LTCPF Carbon
4. For 2029 - 2033, assumes LTCPF Carbon Price (Real 20
5. For 2034 and beyond, assumes the carbon price is cons